

5. Yale University (New Haven)

Albrink (MOR-21)
 Banfield et al. (C-1886)
 Bonner (BO-12H)
 Bunting (C-383 C5)
 Busch (#110)
 Duran-Reynals (V-8G)
 Duran-Reynals (#20)
 Duran-Reynals (C-997 C4)
 Fruton (E-14G)
 Gardner (#13)
 Gaylord (#112)
 Greene (CP-11F) (S)
 Greene (#43)
 Greene (C-918 C4)
 Hakala (#61-33)
 Lippard (INSTR-47E)
 Nichol (SG-8)
 Nicholas & Boell (MOR-9E)
 Parfentjev (C-1201 C3)
 Setlow (PH-20)
 Sokal (V-5)
 Srere (#61-31)
 Strong (EG-38A)
 Strong (C-932 C4)
 Trentin (#97)
 Trentin (C-1491 C2)
 Van Eck (C-1656 C)
 Van Eck (C-1656 Cs)
 Vogel (DRF-109A)
 Wagner (C-1998)
 Welch (CB-7A)
 Welch (DRIB-248)
 Winternitz (#113)

Amount

Agency

Research Subjects

6,000	ACS	Animal & <u>in vitro</u> transplantation
28,091	NCI	Electron microscopy of tissues
5,400	ACS	Genetic control, enzyme specificity
10,098	NCI	Histochemistry
9,000	JCC	Metabolism, <u>in vivo</u>
10,000	ACS	Virus infection
16,500	JCC	
18,306	NCI	
9,400	ACS	Peptide bonds, proteinases
6,800	JCC	Hormonal imbalances
5,000	JCC	Virus development
12,500	ACS	Tissues
25,464	JCC	
12,000	NCI	
3,800	JCC	Nucleic acids
50,000	ACS	Experimental & clinical
Scholar	ACS	Folic acid
9,000	ACS	Embryos
13,524	NCI	Immunochemical differences in sera
8,251	ACS	Spectra biological compounds
6,000	ACS	Heterologous transplants
4,000	JCC	Cholesterol in liver
5,000	ACS	Methylcholanthrene,
10,303	NCI	Gastric lesions
2,000	JCC	Mammary gland,
3,872	NCI	Lactation
9,000	NCI	X-ray, ovary
3,500	NCI	
Fellow	DRMF	Enzymatic adaptation
8,000	NCI	Virus multiplication
28,000	ACS	Pyrimidines
10,750	DRMF	
12,000	JCC	Metabolism, transplants
361,559		

DELAWARE

University of Delaware (Newark)
 Feeny (INSTR-34D)

Ext. time

ACS

Cathode rays,
 living cells

DISTRICT OF COLUMBIA

1. George Washington University

Corman (C-1234 C2)
 Corman (C-1939)
 Klopp (INSTR-24F)
 Kok (BAF-23)
 Smith (C-308 C6)
 Smith & Alpert (DRIB-42C)

3,793
 5,377
 25,000
 Fellow
 10,584
 10,000
 54,754

NCI
 NCI
 ACS
 ACS
 NCI
 DRMF

Proliferation, antibiotics
 Clinical & research
 Reticulosis
 Control substances
 Radioisotopes

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	Amount	Agency	Research Subjects
2. <u>Georgetown University</u> Sullivan (C-1340 C3)	4,887	NCI	Tryptophan-kynurenine metabolism
3. <u>Howard University</u> Marshall (C-1420 C2)	4,000	NCI	Krebs tricarboxylic acid cycle
McKinney (C-1676 C)	7,000	NCI	Tissue cultures
Newman (DRIR-111B)	5,400	DRMF	Amino acids
Newman & Marshall (C-1874 R)	11,674	NCI	Embryogenesis, tricarboxylic acid cycle
	28,074		
4. <u>National Academy of Sciences</u> Committee on Growth (INST-12H)	108,756	ACS	Operating budget
Grady (INST-64)	15,000	ACS	Preparation educational material
Heumann (CBC-1H)	27,000	NCI	Chemical-biological correlation
Heumann (C-366 C5)	14,175	ACS	
Lucke (INST-27E)	1,000	JCC	Asst. Atlas of Tumor
Lucke (#96)	28,900	ACS	Pathology
Wason (INSP-75)	1,000	ACS	Budget, Comm. C. Diagnosis & Therapy
Weiss (INST-12A)	2,500	DRMF	Comm. Animal resources
Winternitz (DRIR-80B)	203,581		Diagnosis & therapy

FLORIDA

1. <u>Dade County Cancer Institute</u> (Miami) Grand (DRIR-216A)	7,800	DRMF	Antibiotics & chemotherapeutic agents
Hopman (C-1703 C)	9,936	NCI	Biopsy cytology
	17,736		
2. <u>Florida Southern College</u> (Lakeland) Sokoloff (DRIR-156B)	2,800	DRMF	Ascorbic acid
3. <u>Florida State University</u> (Tallahassee) Metz (GP-44B)	3,888	ACS	Fertilization
4. <u>University of Florida</u> (Gainesville) Ray (CH-14)	11,550	ACS	Therapeutic compounds
Ray (DRIR-33C)	17,500	DRMF	Radioactive derivatives
Ray (C-1066 C3)	12,000	NCI	Acetylaminofluorene
Ray (C-1308 C2)	5,000	NCI	Radioactive sulfur compounds
Ray (C-1356 C2)	7,900	NCI	
	53,950		
5. <u>University of Miami</u> (Coral Gables) Dunning (GP-6F)	Ext. time	ACS	Cysticercus fasciolaris
Dunning (N-15A)	4,000	ACS	Nucleic acid diet
Dunning (C-1861)	7,020	NCI	Immunity
Dunning (C-1864)	2,700	NCI	
Paff (C-2007)	9,000	NCI	Living mast cell
	22,900		

GEORGIA

1. <u>Emory University</u> (Emory University) Foraker (C-1486 C2)	7,000	NCI	Exfoliative cytology
Russell & Wilhelm (EEP-6G)	6,750	ACS	Nitrogen
	13,750		
2. <u>Oglethorpe University</u> (Oglethorpe) Cohen (CP-36C)	3,670	ACS	Protoplasmic organization

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IDAHO

University of Idaho (Moscow)
Beck (C-1802)

Amount	Agency	Research Subjects
6,284	NCI	Clostridium acidu urici

ILLINOIS

1. Cancer Research Inc. (Chicago)
"Cancer Research" (#36)

3,000	JCC	Support, Jour. Cancer Research
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2. Carle Foundation (Urbana)
Quastler (C-302 C5)

6,480	NCI	Med. application, betatron
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3. Chicago Medical School (Chicago)
Davidsohn (C-1113 C3)
Elias & Popper (C-1961)
Skubik (DRIR-261)

14,148	NCI	Antibodies
5,810	NCI	Liver
4,860	DRMF	Cortisone
24,818		

4. University of Chicago (Chicago)

Coggeshall (INST-14F)

165,000

Coggeshall (DRIR-234)

28,000

DeBruyn (R-9D)

6,588

Doyle (E-26D)

5,076

Geiling (C-1652 C)

5,562

Harary (F-143A)

Fellow

Huggins (CBC-3E)

55,000

Huggins (DRIR-2C)

12,000

Huggins (#105)

24,700

Kenyon et al. (CIE-2G)

9,871

Pierce (CFB-21A)

4,000

Pierce (C-1300 C4)

7,500

Putnam (C-1331 C2)

7,080

Rasmussen (C-1565 C)

8,000

Rubin (DRF-102s)

Fellow

Swift (C-1612 C)

2,500

Vennesland (E-34C)

7,500

Weiss (MOR-10E)

20,000

Williams-Ashman (SG-10)

Scholar

367,747

ACS	Adrenalectomy patients, antigens,
DRMF	Radioisotopes
ACS	Selective radiation
ACS	Enzymatic histochemistry
NCI	Radioactive colchicine
ACS	Amino acids
ACS	Chemotherapy
DRMF	Hormonal control
JCC	Steroid hormones, pituitary principles
ACS	Tissue & leukemia & ACTH
ACS	and/or aminopterin
NCI	Proteins, multiple myeloma
NCI	Brain & beta ray
NCI	Gastrointestinal tract
DRMF	Proteins & nucleic acids
NCI	Triphosphopyridine nucleotide
ACS	Morphogenesis
ACS	Metabolism, sodium & potassium
ACS	tissue content

5. Illinois Institute of Technology (Chicago)
Danforth (MET-19)

1,500	ACS	Oxidative metabolism in Euglena
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6. University of Illinois (Chicago)

Black (BO-1F)

14,250

Burstone (C-1373 C2)

5,600

Catchpole (KEP-12D)

6,000

Grant (C-1110 C3)

3,800

Harvey & Bennett (C-854 C3)

7,452

Kirschbaum (BI-10D)

4,725

Kirschbaum (C-1543 Cs)

406

Kirschbaum (C-1969)

9,936

ACS	Plant tumors & virus
NCI	Oral epithelium & radioactivity
ACS	Reproductive organs & hormones
NCI	Gastric mucosa
NCI	Betatron electron & bone, cartilage
ACS	Leukemia therapy
NCI	Adrenal cortical secretion
NCI	Mammary glands

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	Amount	Agency	Research Projects
<u>University of Illinois (Cont'd)</u>			
Kummerow (CH-12)	2,000	ACS	P-dimethylaminoazobenzene
Luria (V-3G)	24,450	ACS	Virus growth & structure
Nance (CP-43B)	3,780	ACS	Indole-3-acetic acid & pyruvate
Odell (CS-15A)	Ext. time	ACS	Gynecologic cancer
Plummer (C-1986)	6,804	NCI	Tissue cultures & amelanotic melanomas
Spiegelman (C-1094 C3)	9,900	NCI	Intracellular enzymes
Vestling (C-1856)	9,965	NCI	Liver enzymes
Winzler (PR-14C)	Ext. time	ACS	Plasma mucoprotein
Winzler (C-1828)	12,000	NCI	Amino acids
	121,068		
7. <u>Loyola University</u> (Chicago)			
Melchior (H-9B)	5,000	ACS	Enzyme systems in pituitary gland
8. <u>Michael Reese Hospital</u> (Chicago)			
Schwarz (DRF-120A)	Fellow	DRMF	Metastasis urinary bladder, prostate
Tannenbaum (DRIR-250)	13,500	DRIR	Nutrition
Tannenbaum (C-248 C7)	12,000	NCI	
	25,500		
9. <u>Northwestern University</u> (Chicago & Evanston)			
Preston & Schrek (VI-4)	1,800	ACS	Immunity to transplants
Wartman (C-1005 C3)	15,000	NCI	Pathological lesions
Fogelson	1,000	EUPF	Enzymes & related chemicals
10. <u>Southern Illinois University</u> (Carbondale)			
Lindgren (C-1179 C3)	17,800	NCI	Enzymes, yeasts
Lindgren & Sheffner (N-17A)	5,000	ACS	Amino acids & polypeptides & proteins
	8,000		
	13,000		
<u>INDIANA</u>			
1. <u>Indiana University Foundation Research Division</u> (Bloomington)			
Campaigne (C-1948)	8,240	NCI	Naphthobenzthiophene series
Haurowitz (PR-19B)	6,000	ACS	Protein-protein interaction
Lawrence (CS-11B)	Ext. time	ACS	Venous pathways, bone, transplants
Muller (EG-9G)	12,000	ACS	Mutations in Drosophila
Muller (C-382 C5)	9,500	NCI	Lymphomas & leukemia
Smith (C-1602 C)	7,961	NCI	Heredity in Paramecium
Sonneborn (EG-31C)	8,187	ACS	
	51,888		
2. <u>University of Notre Dame</u> (Notre Dame)			
Campbell (CH-3C)	2,500	ACS	Unsaturated lactones
Reyniers (DRIR-48C)	20,500	DRMF	Germ-free life
	23,000		
3. <u>Purdue University</u> (Lafayette)			
Benzner (VI-1)	4,300	ACS	Bacteria, ultraviolet radiation
Garner (SG-3)	Scholar	ACS	Microorganisms, mutagenesis
	4,300		
<u>IOWA</u>			
1. <u>Iowa State College</u> (Ames)			
Dahn (CP-49A)	3,600	ACS	Autoradiographic study, insects
Sinsheimer (PH-19)	2,570	ACS	Nucleotides
	6,170		

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